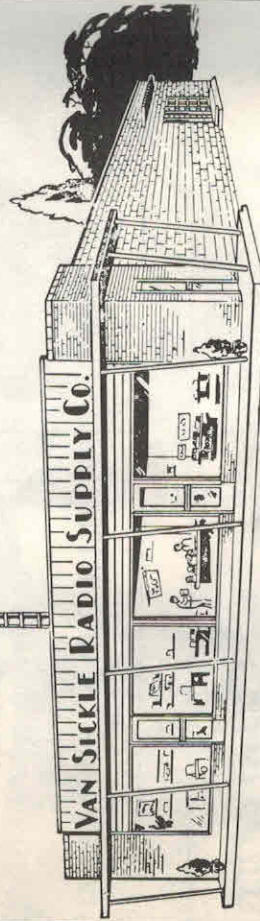


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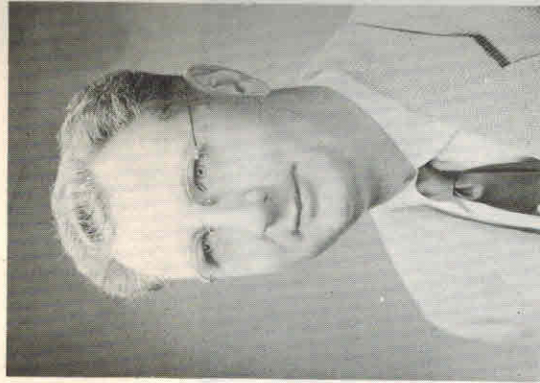
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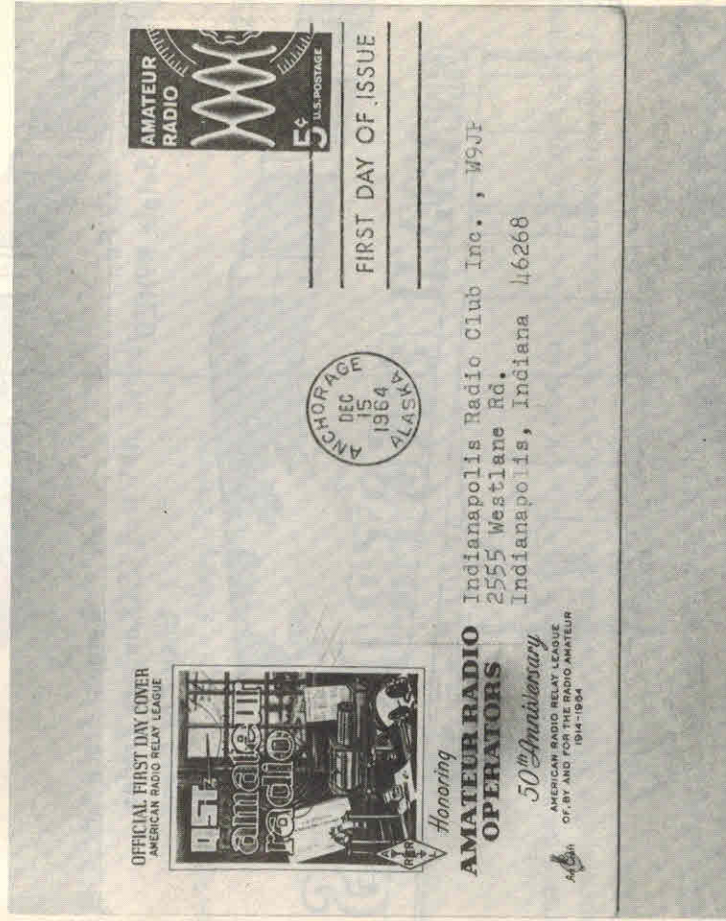
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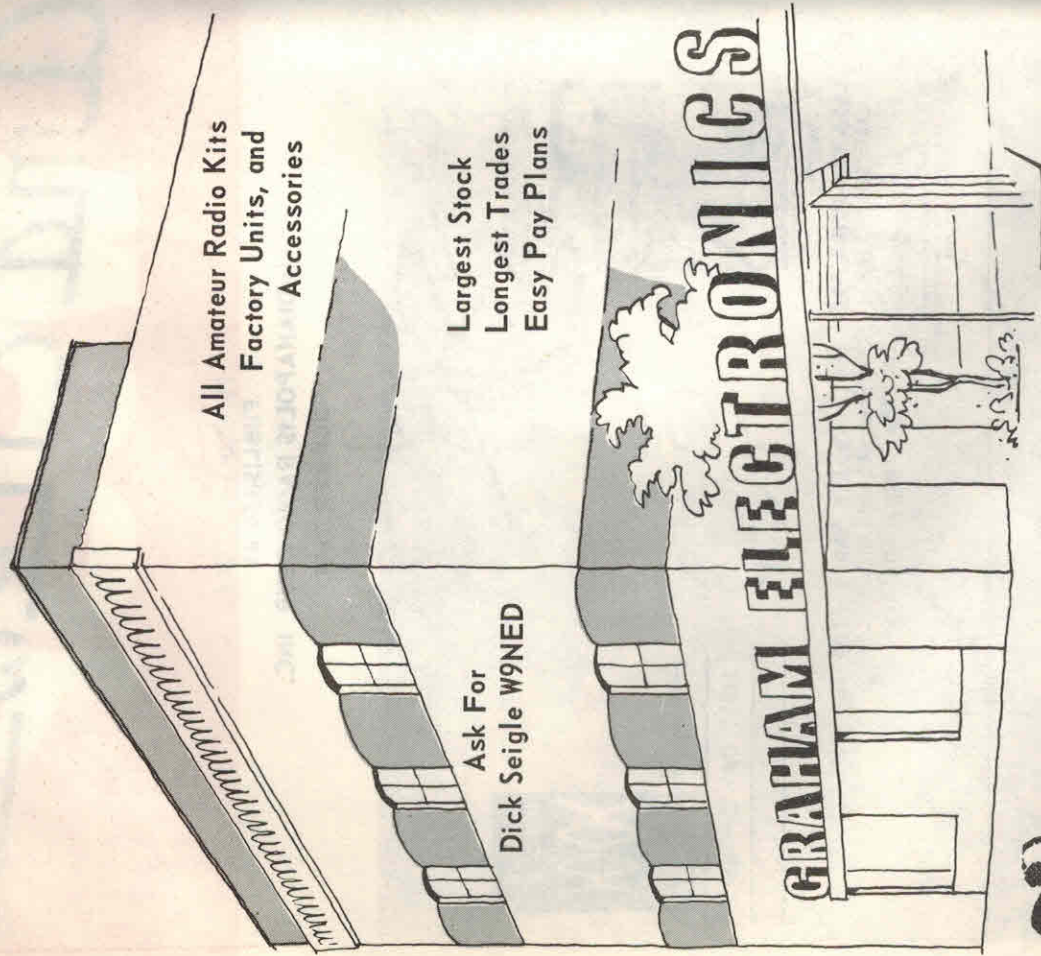
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The Indianapolis Radio Club meets on the second and fourth Fridays of each month except July and August in the Indianapolis Park Board Building at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., EST.

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\*\*\*\*\*

Ama-Chewer is published monthly by and for the I.R.C. and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.00 a year.

Publication is on the third Friday of each month, with all news items and ads due no later than the first Friday of each month.

Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50 cents each.

Ama-Chewer welcomes the forwarding of information on coming events and activities of other clubs for publication.



First, I want to thank the members of the Indianapolis Radio Club for the honor you have conferred upon me, that of serving as your president for the coming year.

We, the officers, pledge to you our best efforts to serve our very great amateur club in a manner that is traditional to the high ideals of amateur radio.

We pledge to all that this year will be one of the greatest years yet of our organization, with technical programs, fun and entertainment programs and a few surprises we hope to develop in the near future.

Again this year we would like to hear from all of you your desires as to what you each wish to have presented at the meetings. This is the only way we have to try to fulfill your desires so won't you please express your preference as soon as possible?

Back in 1961 when I was president we had approximately 110 members and as many as 75 attending meetings in the radio hall. This would be great if this could happen again, but let's not stop there. Let's get many more members than we have had in the past and try to increase our meeting attendance to well over the 75 we have had in the past.

I personally wish to take this opportunity to ask each and every one to come out to the meetings as often as possible, both Male and Female, and bring friends with you. I believe as the programs develop, each will provide a very pleasant evening, and who knows, may prove very interesting and informative to all.

Again, I wish to thank all for the honor of being your president the second time in three years, and I will do the best possible for making the Indianapolis Radio Club one of the best.

Your prez,

Bert Brouse K9JSF

On the cover of this issue of Ama-Chewer is a photo of the first day cover bearing the amateur radio commemorative stamp addressed to the IRC. It was ordered by Alvey Pittman, W9JJC, trustee of the club station, W9JP.

The stamps went on sale in Anchorage Dec. 15, the first day of issue, in observance of the service amateur radio operators rendered following last year's Alaskan earthquake. The following day, the stamp went on sale at other U. S. post offices. If you haven't already bought some for use on your mail, better rush right down to your friendly neighborhood post office for a supply.

Inside the first day cover envelope was a card briefly explaining what ham radio is all about. This card is reproduced on pages 6 and 7 of this issue of the Ama-Chewer.

Incidentally, if that wavy pattern on the stamp represents an RF wave, it would appear to be an amplitude modulated carrier. Wonder if sideband operators are planning a protest to postal officials over this display of favoritism? (One sidebender said "Naw, that's a sideband signal with a test tone.") Another thought is that it might be a CW station testing with a very poorly filtered power supply!

\*

\*

\*

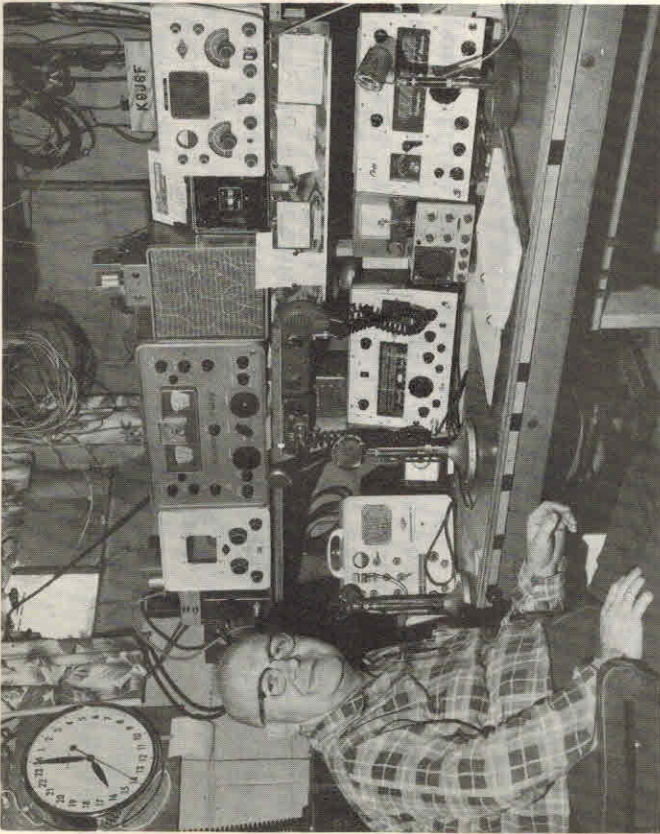
\*

WILL YOU BE NEXT?

Last month, the Ama-Chewer contained an article on some of the requirements for station identification by amateur radio operators. Lest some feel that this attention to detail is unnecessary lint picking, it might be well to point out that the Indiana State Police recently received some "pink tickets" from the FCC for failure of stations to identify properly. If such professional operators are subject to criticism, then certainly we amateurs are too.

Radio communication is a serious business, even on the amateur level, and should not be looked upon as something to "fool around with." You can have fun with ham radio while still doing a competent job at it. Your call letters represent a personal accomplishment--be proud enough of them to use them properly.





THE BARBER'S BEST FRIEND

Bert "Curly" Brouse took over the reins this month as the new president of the IRC, so to help those who aren't already well acquainted with him, the Ama-Chewer herewith pays a hamshack visit to his station, K9JSF.

Bert also answers to the call W9AZR, which is his second station at his Lake Tippecanoe cottage. He has a Technician Class amateur license and an AF MARS license (and a CB license, too, but we won't talk about that).

The photo above shows Bert at the principal operating position of his home station in the basement at 6995 Barr Will Drive. A super wide angle lens would be required to show the whole layout, which includes a considerable line-up of equipment. He has FM, AM, RTTY, short wave, long wave, medium sized wave and what have you. You can tell from the five mikes in the photo that he likes to work phone. He says his main operating interests are rag chewing on the ham frequencies and handling traffic on MARS frequencies.

Bert has been a ham eight years and has completed 25 years as an engineer at WFBM. Other hobbies are still and movie photography, wood and metal working, and boating.

SO THEY HUFF, AND THEY PUFF, AND . . .

Putting up an antenna tower always has been a difficult job at best, with ropes, pulleys, jacks, muscle power and a goodly supply of grunts and groans considered essential to the job. Now an industrial firm has come up with an antenna mast you can blow up like a balloon!

General Precision, Inc., has built an inflatable antenna mast of Mylar film. They say models can be made up to 100 feet high, and if made of conducting laminate, the mast itself can become an antenna. When not in use, the tubular structure folds into a small package.

Just what we need for Field Day. We can blow it up the day before when everyone has lots of pep and energy--and hot air--then deflate it at the end of Field Day and let the escaping air cool the tired operators.

\* \* \*

AH, THERE'S GOOD NEWS TONIGHT

The high cost of living is going higher by the day, but the low cost of belonging to the IRC remains low. The Board of Directors again have voted to keep the dues at \$4 a year.

By the way, they're due now, so set aside this mere pittance and fork it over to Pat Husk, K9EUQ, at the next meeting, or mail it to him.

\* \* \*

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# AMATEUR RADIO

IS A SCIENTIFIC HOBBY of personal two-way short-wave communication, established by international agreement and practiced by 400,000 enthusiasts all over the globe. In the U. S. alone are more than 250,000 citizens licensed as amateurs by the Federal Communications Commission after completing tests in radio-telegraph code, theory and regulations. They engage in self-training, technical investigations, and other activities in the public interest such as providing emergency communications in the event of disaster. For example, in announcing the commemorative stamp, Postmaster General Gronouski said, "When telephonic communications were disrupted during a recent earthquake in Alaska, it was the hams who made contact with worried friends and relatives."

Amateurs originally were assigned to wavelengths thought by the government and professionals to be worthless. But they amazed the wireless industry by opening up a whole new field of short-wave communications. Today the bulk of all radio activity — f.m. and TV broadcasting, aeronautical, marine, military, etc. — takes place on these channels. Recently, amateurs helped evaluate a new method of "single sideband" communication, with the result that this efficient and revolutionary method is being adopted for nearly all forms of two-way commercial and military voice circuits. Today, pioneering amateurs are still in the forefront, bouncing radio signals off the moon and conduct-

ing space communications experiments through their own amateur-designed and amateur-built orbiting satellite transmitters.

THE AMERICAN RADIO RELAY LEAGUE, which this year commemorates its 50th anniversary, is a noncommercial association of 100,000 radio amateurs, bonded for the promotion of interest in amateur radio communication and experimentation, for the relaying of messages by radio, for the advancement of the radio art and of the public welfare, for the representation of the radio amateur in legislative matters, and for the maintenance of fraternalism and a high standard of conduct.



The material on the facing page and above is printed on a card enclosed in the first day cover envelopes sent out from Anchorage, Alaska, with the amateur radio stamp on the first day of issue.

\* \* \*

WANTED -- Novice Class code course on tape or records, used hybrid phone patch, and linear amplifier for 10-80 meters. Frank Fitch, W9EJW, CL 1-6550

FOR SALE -- Webcor "Microcorder" portable tape recorder, battery powered, with 110 v AC & 12 v DC cigarette lighter power cords, \$60. K9KTL, LI 7-8148



With propagation conditions on 40 and 80 bringing in lots of foreign commercail stations these days, it's fairly common to hear hams complain about the commercial boys taking over our frequencies. Sometimes this is true; sometimes it's a case of misunderstanding who is allowed on the bands. Contrary to the belief of some, not all ham bands belong to the hams exclusively. Many of our bands or parts of them are intended for commercial or government use in other lands.

Sometimes there are interlopers, though--foreign commercial or government interests that have moved into illegal territory and stick it out until they're caught. You can help your fellow hams all over the world by reporting any illegal use by such interests of ham frequencies. If the invaders are allowed to get away with usurping ham frequencies for lengthy periods, they will have strong evidence that the frequencies involved apparently are not used by hams very much, so why not just turn them over to others to use for keeps?

The ARRL Communications Department needs YOUR help in identifying intruders on ham frequencies. Reports YOU send the League can help in frequency negotiations. Based on the following list of what should not be on ham bands, note the date, time, frequency, nature of communication and signal report of intruders you hear interfering with ham communications. If possible, get the calls and locations of the intruder stations. Also, to make a stronger case for a complaint against the intruders, specify the calls and amateur communication you find being interfered with by intruder stations.

Check to be sure you're not receiving an image of a supposed intruder. This is done by setting a frequency meter or signal generator on the station. Unless you have an image, changing receiver tuning should not vary the beat note, and should vary the volume very little.

What to look for -- These do not belong -- Report them:

- 1800-2000 kc. Broadcasting; any US or Canada non-amateur
  - 3500-3900 " " " " " "
  - 3900-4000 Western hemisphere broadcasting; any US or Canada non-amateur
- (cont'd next page)

(cont'd from previous page)

- 7000-7100 Any non-amateur station
- 7100-7300 Western hemisphere broadcasting; any US or Canada non-amateur
- 14000-14250 Any non-amateur station
- 14250-14350 Any non-amateur station except fixed stations in USSR
- 21000-21450 Any non-amateur station
- 28000-29700 " " " "

ARRL form "CD-36" is available free from the League for compiling the needed information.

References:

- Intruder Watch, p. 26, March, 1964, QST
- Geneva Report, March, 1960, QST (gives whole allocation table)
- Intruders, p. 64, Sept. 1963, QST

\* \* \*

NEW Q SIGNAL

The signal "QBF?" is reported coming into increasing use on CW frequencies during contests. It has been suggested as a fast way to ask "worked Before?" This can be a quick way to get verification if you're not sure of your check list.

\* \* \*

GRAHAMS SPECIALS OF THE MONTH

- Collins KWM 2 with PM 2 Power Supply . . . . . \$875.00
- Collins 75A2 Receiver . . . . . \$199.00
- Globe Champion 350 Xmtr. . . . . \$179.00
- Drake 2B Recvr./with Xtal Cal. & Spkr. . . . . \$230.00
- Heath HA-10 Warrior Linear Amp. . . . . \$185.00
- RME 6900 Receiver . . . . . \$198.00
- Hallicrafter SX-117 - REAL CLEAN - 6 weeks old . . . \$330.00
- Johnson Ranger XMTR. . . . . \$119.00
- Swan SW-240 Transceiver . . . . . \$265.00
- Clegg 99'er - 6 meter Transceiver . . . . . \$119.00

COME IN AND SEE the N E W Hallicrafter SR-46 & SR 42 Transceivers for 6 and 2 meters

BE SURE TO VISIT OUR NEW GLENDALE LOCATION !!



## ARE YOU HEARING DOUBLE?

Who is this second op who seems to be present at every fone station I contact lately? I don't think I have every contacted a CW station who told me "We are rcvg u fb OM," or "We have a super scooper inhaler hr, OM."

I actually heard a fone station recently say "We went to the dentist today and had a tooth pulled." I was tempted to ask him if it wasn't a little crowded in the chair or if their dentist used a love seat for an operating chair.

So, wat say, OM, unless you are pregnant or one half of a Siamese twin, and you are referring to yourself, for TOM's sake, say "I." Ugh, makes me want to spit on the cat.

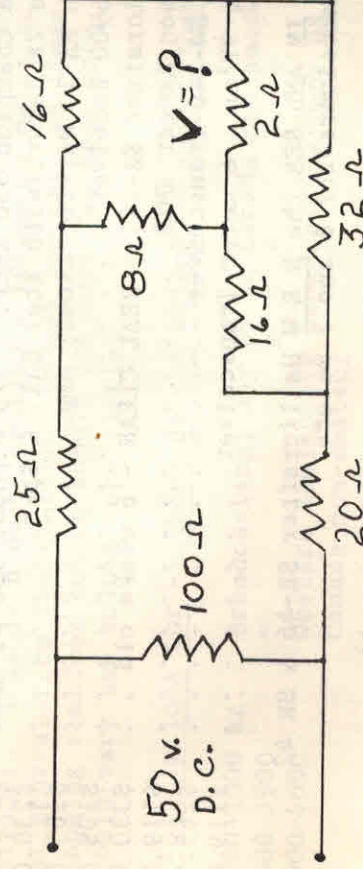
The Old Man j.g.

\* \* \*

## AND NOW PUT ON YOUR THINKING CAP

Last month's puzzle was a good one for testing your ability to trouble-shoot a piece of electronic equipment. How many figured it out? It was a wiring diagram of an audio amplifier stage that was feeding a weak, distorted signal to the next stage. The answer is: The .01 input capacitor is leaking, causing a 6 volt positive grid bias and thereby a high plate current and low plate voltage.

Now try this one on for size. Here is a puzzle that requires no calculation, just a keen eye and a knowledge of Ohm's Law. Just by looking at the circuit, figure out the voltage across the 2-ohm resistor.



## ARRL BULLETINS

Official Bulletin Nr 984 Dec 17 1964

A recent CRPL forecast bulletin notes that solar activity will soon be increasing following the sunspot minimum which probably occurred in late summer of 1964. The occurrence of flare producing solar regions will soon be on the increase and associated shortwave fadeouts, SWF, will become a more significant factor in long distance communications. Radio communications may then be abruptly interrupted by sudden large increases in absorption. On the average, communications may be impossible for twenty to thirty minutes after which normal field strength is gradually recovered.

Official Bulletin Nr 985 Dec 23 1964

All amateurs in the ARRL Field Organization are urged to take part in the 1965 Novice Roundup to be held February 6 through 21. The Leading Novice in each ARRL section will be awarded a certificate of achievement. Page 65 of January QST has all the details on how to participate. Free log forms and a QAS map are available from the ARRL Communications Department, 225 Main Street, Newington, Connecticut.

Official Bulletin Nr 986 Dec 31 1964

With the approach of the ARRL International DX competition, United States amateurs are again reminded that the following countries object to communications between their amateurs and those of other countries: Cambodia, Indonesia, Viet Nam and Thailand forbid such radio communication. The preferences to avoid are XU, PK, JZØ, 3W8 and HS. Canadian amateurs additionally may not contact Laos, XW8, and Jordan, JY

\* \* \*

Code practice is sent daily by WIAW at 0030 and 0320 GMT Bulletins at 0100 GMT except Sunday and 0500 GMT except Monday. Remember, midnight GMT is 7 p.m. EST, so these times in GMT apply to the following day of the week on our calendar. (Example: 0100 GMT Tuesday is 8 p.m. EST Monday.) Frequencies used are 3555, 7080, and 14,100 kc.

\* \* \*

A 64-page cumulative index to QST, covering the years 1950-1962, is available from ARRL headquarters for 25¢.



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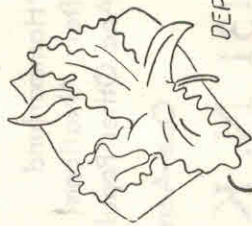
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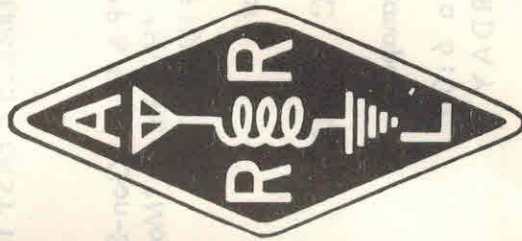
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